

## Air Quality L.S. 5.4

### What Are Some Other Ways to Improve Air Quality?

#### Improving Fuels Means Less Pollutants

Read page 277

- How is coal being improved?
  
- Why do you think manufacturers might not want to take these steps to improve coal?

Read pages 278-279 and write the advantages and disadvantages the different fuels.

#### Changing Different Fuels to Improve Air Quality

	Advantage	Disadvantage
Natural Gas		
Nuclear Fuels		
Biofuels		
Hydrogen		
Electricity		

## Using Fuel More Efficiently Can Mean Fewer Pollutants

Read pages 279-280 and fill in the necessary information.

<b>What does it mean to be more efficient?</b>	<b>How are household appliances better than in the past?</b>
<b>Why is Insulation important?</b>	<b>Benefits of fluorescent light bulbs</b>

## Alternate Energy Sources

Read pages 281-282 and give examples of alternate energy sources.

<b>What is the difference between nonrenewable resources and renewable resources?</b>	<b>Give examples of nonrenewable sources</b>
<b>Give examples of renewable resources</b>	<b>Give examples of ways to conserve natural resources by not using any fuel at all to improve air quality.</b>

## Stop and Think

1. Of the methods for reducing air pollution you read about, which one can you or your family do? Which ones can you not do? Justify your answers with evidence from the reading.
2. How could you encourage manufacturers to produce non-polluting products for you to use? How could you encourage them to pollute less when they manufacture products?
3. How could you work to make sure power plants and other industries reduce the pollutants they put into the air?
4. Power companies often offer free “Energy Audits” for homeowners, during which they measure the amount of heat lost from a house. They also sometimes give away compact fluorescent light bulbs. Why do you think they would they do this?

## What is the Point? (page 283)

Explain the different ways air pollution can be reduced?

